

INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) KVC-037.01 (04607-3701)	 AUG 1 2 2002 PATENT & TRADEMARK OFFICE	Application Number 09 921,383
			Applicant Bennett et al		
			Filing Date August 2, 2001		Group Art Unit 2877

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PTL	AB 4,571,650	2/18/86	Ojima et al.			
PTL	AC 4,603,931	08/05/86	Ruffman			
FYL	AD 4,615,582	10/07/86	Lefevre et al.			
FYL	AE 4,630,229	12/16/86	D'Hondt			
FYL	AF 4,630,890	12/23/86	Ashkin et al.			
FYL	AG 4,637,722	1/20/87	Kim			
PL	AH 4,668,264	05/26/87	Dyott			
FX	AI 4,669,814	06/02/87	Dyott			
FX	AJ 4,697,876	10/06/87	Dyott			
FYL	AK 4,712,866	12/15/87	Dyott			
FYL	AL 4,733,938	03/29/88	Lefevre et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
PTL	AM DE 33 05 104 A1	16 Aug 84	German				X
PTL	AN FR 2 535 463A	18 May 84	France				
PTL	AO DE 36 15 305 A1	12 Nov. 87	German				X
PTL	AP DE 37 42 201 A1	22 June 89	Germany	X			
PTL	AQ EP 0 551 874 A2	21 Jul 93	EPO	X			X
PTL	AR EP 0 586 242 A1	9 Mar. 94	EPO	X			

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(Including Author, Title, Date, Pertinent Pages Etc.)

PTL	AS	Alekseev et al; "Fiber Optic Gyroscope With Suppression of Excess Noise From the Radiation Source", Technical Physical Letters, 24(9): 719-721, (September 1998)
FX	AT	Blake et al., "In-Line Sagnac Interferometer Current Sensor," IEEE, pp. 116-121 (1995).
PTL	AU	Blake and Szafraniec, "Random Noise in PM and Depolarized Fiber Gyros", OSA Symposium Proceedings, 1997, OWB2, pp. 122-125.

EXAMINER	PATRICK CONNOLY	DATE CONSIDERED
		4.1 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) KVC-037 01 (04607-3701)	AUG 12 2002 O I P E P A T E N T & T R A D E M A R K O F F I C E	Application Number 09 921,383
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PJC	AV 4,740,085	04/26/88	Lim			
PJC	AW 4,755,021	07/05/88	Dyott			
PJC	AX 4,765,739	08/23/88	Koizumi et al.			
PJC	AY 4,776,700	10/11/88	Frigo			
PJC	AZ 4,796,993	01/10/89	Sonobe et al.			
PJC	BA 4,815,817	03/28/89	Levinson			
PJC	BB 4,842,409	06/27/89	Arditty et al.			
PJC	BC 4,848,910	07/18/89	Dupraz			
PJC	BD 4,883,358	11/28/89	Okada			
PJC	BE 4,887,900	12/19/89	Hall			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
PJC	BF JP 07209398	11 Aug 95	Japan			English Abstract	
PJC	BG EP 0 686 867 A1	13 Dec 95	European Patent Application				X
PJC	BH EP 0 722 081 A2	17 July 96	European Patent Application				
PJC	BI EP 856 737 A1	5 Aug. 98	EPO				
PJC	BJ EP 0 871 009 A1	14 Oct. 98	EPO				
PJC	BK EP 0 872 756 A1	21 Oct. 98	European Patent Application				
PJC	BL WO98/58268 A	23 Dec 98	PCT (corresponds to 6,023,331)				
PJC	BM WO00/36425	22 June 00	PCT				

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PJC	BN	Bohnert, et al., "Field Test of Interferometric Optical Fiber High-Voltage and Current Sensors" SPIE, Vol. 2360 pp. 16-19 (Feb. 1994).
PJC	BO	Bohnert, et al., "Temperature and Vibration Insensitive Fiber-Optic Current Sensor" ABB, Vol. 2360 pp 336-339 (Feb. 1994).
EXAMINER	DATE CONSIDERED PATRICK CONNOLY EX-101 2003	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PJL	BP 4,943,132	07/24/90	Huang			
PJL	BQ 5,033,854	07/23/91	Matthews et al.			
PJL	BR 5,048,962	09/17/91	Kurokawa et al			
PJL	BS 5,074,665	12/24/91	Huang et al.			
PJL	BT 5,080,489	01/14/92	Nishikawa et al.			
PJL	BU 5,106,193	04/21/92	Fesler et al			
PJL	BV 5,133,600	07/28/92	Schröder			
PJL	BW 5,135,555	08/04/92	Coyle, Jr. et al.			
PJL	BX 5,289,257	02/22/94	Kurokawa et al.			
PJL	BY 5,289,258	02/22/94	Szafraniec, et al.			
PJL	BZ 5,331,404	07/19/94	Moeller et al.			
PJL	CA 5,351,123	09/27/94	Spahlinger			
PJL	CB 5,359,413	10/25/94	Chang et al.			
PJL	CC 5,365,338	11/15/94	Bramson			
PJL	CD 5,412,471	05/02/95	Tada et al.			
PJL	CE 5,459,575	10/17/95	Malvern			
PJL	CF 5,469,257	11/21/95	Blake et al.			
PJL	CG 5,469,267	11/21/95	Wang			

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PJL	CH	Burns, et al., "Excess Noise in Fiber Gyroscope Sources", IEEE Photonics Technology Letter, Vol 2, No. 8, August 1990, pp. 606-608.
PJL	CI	Clark et al., "Application of a PLL and ALL Noise Reduction Process in Optical Sensing System," IEEE Translations on Industrial Electronics, Vol. 44, No. 1, February 1997, pp. 136-138
PJL	CJ	Dagenais et al., "Low-Frequency Intensity Noise Reduction for Fiber-Optic Sensor Applications." Optical Fiber Sensors Conference, 1992, January 29-31, pp. 177-180
EXAMINER		DATE CONSIDERED <i>PJL-CJ</i> <i>04/01/2003</i>

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			Applicant Bennett et al		
			Filing Date August 2, 2001		Group Art Unit 2877

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PJC	CK 5,471,301	11/28/95	Kumagai et al.	—	—	
PJC	CL 5,493,396	02/20/96	Sewell	—	—	
PJC	CM 5,500,909	03/19/96	Meier	—	—	
PJC	CN 5,504,684	04/02/96	Lau et al	—	—	
PJC	CO 5,552,887	09/03/96	Dyott	—	—	
PJC	CP 5,559,908	09/24/96	August, et al	—	—	
PJC	CQ 5,654,906	08/05/97	Youngquist	—	—	
PJC	CR 5,655,035	08/05/97	Burmenko	—	—	
PJC	CS 5,682,241	10/28/97	Mark et al.	—	—	
PJC	CT 5,701,177	12/23/97	Kumagai et al.	—	—	
PJC	CU 5,701,376	12/23/97	Shirasaki	—	—	
PJC	CV 5,767,509	06/16/98	Cardova et al.	—	—	
PJC	CW 5,781,675	07/14/98	Tseng et al.	—	—	
PJC	CX 5,854,864	12/29/98	Knoesen et al	—	—	
PJC	CY 5,898,496	04/27/99	Huang et al.	—	—	
PJC	CZ 5,946,097	08/31/99	Sanders et al.	—	—	
PJC	DA 5,987,195	11/16/99	Blake	—	—	
PJC	DB 6,025,915	02/15/00	Michal, et al.	—	—	

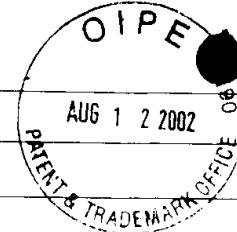
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PJC	DC	Dupraz, J.P., "Fiber-Optic Interferometers for Current Measurement: Principles and Technology", Alsthom Review No. 9: 29-44 (December 1987).
PJC	DD	Frosio, G. and Dändliker, "Reciprocal Reflection Interferometer for a Fiber-Optic Faraday Current Sensor", Applied Optics 33 (25): 6111-6122 (September 1, 1994).
PJC	DE	Gronau Yuval et al.; "Digital Signal Processing For An Open-Loop Fiber-Optic Gyroscope", Applied Optics, Optical Society of America, Washington, U.S., vol. 34, no. 25, 1 September 1995, pgs. 5849-5853

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	PATRICK CONNOLY	04.01.2003

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PTC	6,047,095	04/04/00	Knoesen et al			
PTC	6,075,915	6/13/00	Koops et al			
PTC	6,148,131	11/14/00	Geertman			
PTC	6,163,632	12/19/00	Rickman et al			
PTC	6,185,033	02/06/01	Bose et al			
PTC	6,208,775	03/27/01	Dyott			
PTC	6,233,371	05/15/01	Kim et al			
PTC	6,301,400	10/09/01	Sanders			
PTC	6,351,310	02/26/02	Emge et al			
PTC	6,370,289	04/09/02	Bennett			

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PTC	DP	Killian M. Kevin; " Pointing Grade Fiber Optic Gyroscope", IEEE AES Systems Magazine, pp. 6-10 (July 1994)
PTC	DQ	LaViolette and Bossler; "Phase Modulation Control for An Interferometric Fiber Optic Gyroscope", IEEE Plan 90, Position Location and Navigation Symposium, Las Vegas, (March 20-23, 1990)
PTC	DR	Lefevre, "The Fiber-Optic Gyroscope", Artech House, Boston, pp. 29-30 (1993)
PTC	DS	McCallion and Shimazu; " Side-Polished Fiber Provides Functionality and Transparency", Laser Focus World, 34 (9): S19- S24, (September 1, 1998)
PTC	DT	Moeller and Burns, "1.06μm All-fiber Gyroscope with Noise Subtraction, Proceedings of the Conference on Optical Fiber Sensors", IEEE-OSA, Monterey, CA, 1992, pp. 82-85
PTC	DU	Moeller and Burns, "Observation of Thermal Noise in a Dynamically Biased Fiber-Optic Gyro", Optical Letters, 1996, Vol. 21, pp. 171-173.
EXAMINER	DATE CONSIDERED	
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KVC-037 01 (04607-3701)

AUG 1 2 2002

Application Number
09 921,383Applicant
Bennett et alFiling Date
August 2, 2001Group Art Unit
2877**OTHER DOCUMENTS***(Including Author, Title, Date, Pertinent Pages Etc.)*

PJC	DV	Nikos Drakos, "Circular Polarization States for Light, and Quarter-Wave Plates," <i>Computer Based Learning Unit, University of Leeds</i> (March 2, 1998)
PJC	DW	Ono et al.; "A Small -Sized, Compact, Open-loop Fibre-Optic Gyroscope with Stabilized Scale Factor", <i>Meas. Sci. Technol.</i> 1: 1078-1083. (1990)
PJC	DX	Polynkin et al.; "All-Optical Noise-Subtraction Scheme for a Fiber-Optic Gyroscope", <i>Optics Letters</i> , 25(3): 147-149. (February 1, 2000)
PJC	DY	Rabelo et al.; "SNR Enhancement of Intensity Noise-Limited FOGs", <i>Journal of Lightwave Technology</i> 18(12):2146-2150 (December 2000)
PJC	DZ	Short, S. et al., "Elimination of Birefringence Induced Scale Factor Errors in the In-Line Sagnac Interferometer Current Sensor", <i>Journal of Lightwave Technology</i> 16 (10): 1844-1850 (October 1998).
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

O 187 DEC 8 9 2002 PATENT & TRADEMARK OFFICE			Docket Number (Optional) KVC-037.01		Application Number 09 921,383	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (if several sheets if necessary)			Applicant Bennett, Sidney, et al.		Filing Date August 2, 2001	
					Group Art Unit 2877	
U.S. PATENT DOCUMENTS						
INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PJL	EA 5,136,235	08 04 92	Brändle, et al.	324	96	11 29 90
PJL	EB 6,023,331	02 08 00	Blake, et al.	356	345 472	06 19 97
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
PJC	EC WO 00 31551 A	06/02/00	PCT			X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)						
ED	J. N. Ross: "The Rotation of the Polarization in Low Birefringence Monomode Optical Fibres Due to Geometrical Effects", <u>Optical and Quantum Electronics</u> , vol. 16, 1984, pgs. 455-461					
EXAMINER				DATE CONSIDERED 04.01.2003		
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PTL	AA 6,023,331	02/08/00	Blake, et al.	356	345-477	06/19/97
AB						
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						YES	NO
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AN							
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AP							

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